

ABSTRACT OF THE DISCLOSURE

A humidity sensor including an insulating substrate, and a lower electrode formed from a noble metal, a moisture sensitive layer formed of a porous body predominantly containing alumina and containing predetermined amounts of TiO_2 and SnO_2 and an upper electrode formed of a noble metal porous body successively formed on the insulating substrate. The upper electrode is connected to the moisture sensitive layer and a portion of the insulating substrate. Preferably, the lower electrode is formed of a porous body. More preferably, the lower and upper electrodes are formed from Pt.

10 Furthermore, preferably, a heater and a temperature measurement resistor are provided in the insulating substrate and are located directly below the moisture sensitive layer.